8	1575 = (area) × 21 oe **or** (area =) 75 **or** 1575 = $\pi \times r^2 \times 21$ oe **or** $r^2 = \frac{1575}{21\pi}\left(= 23.8(732...)\right)$ oe **or** $r = \sqrt{\frac{1575}{21\pi}}\left(= 4.88(602...)\right)$ oe		3	M1 for finding the area using Vol = cross sectional area × height **or** finding r or r^2 using vol = $\pi r^2 h$ NB r^2 and r can be rounded or truncated
	$\frac{84}{"75"}$ oe or $\frac{84}{\pi"4.88"^2}$ oe or $\frac{84}{\pi"23.8"}$ oe			M1 for $\frac{84}{\text{area of circle}}$
	Working not required, so correct answer scores full marks (unless from obvious incorrect working)	1.12		A1 accept 1.06 – 1.121
				Total 3 marks

9	(a)		35 000 000	1	B1
	(b)	$8.2 \times 10^5 + 6\,780\,000$ oe or $820\,000 + 6\,780\,000$ oe or 7 600 000 or 76×10^5 oe or 7.6×10^n where $n \neq 6$		2	M1 Allow correct mixture of ordinary numbers and standard form numbers
		Working not required, so correct answer scores full marks (unless from obvious incorrect working)	7.6×10^6		A1
					Total 3 marks